

Notice of Allowability

Application No.

10/549,309

Examiner

NGUYEN T. HA

Applicant(s)

RO ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/20/2007.
2. ☒ The allowed claim(s) is/are 1,2,4,5 and 7.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 0907
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

NGUYEN T. HA
PRIMARY EXAMINER

DETAILED ACTION

Response to Amendment

The examiner acknowledges the applicant's submission of the amendment dated 11/20/2007. At this point, claims 1, and 5 have been amended, claims 3, and 6 have been canceled. Thus claims 1, 2, 4-5, and 7 are pending in the instant application.

Response to Arguments

The applicant's argument that The Japanese Patent 200012400 failed to disclose the carbon-containing layer is formed so as to extend outward from the surface of the aluminum foil, and the step of arranging the aluminum foil involves adhering at least one kind selected from the group consisting of a carbon-containing substance and an aluminum powder to a surface of the aluminum foil, and then arranging the aluminum foil in a space containing a hydrocarbon-containing substance. The examiner finds this argument persuasive. Therefore, the examiner made decision to allow these limitations over the prior art of record.

Allowable Subject Matter

Claims 1, 2, 4-5, and 7 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1,2, and 4 the prior art alone or in combination does not teach the limitation of a foil for a cathode of a capacitor comprising the carbon-containing layer is formed so as to extend outward from the surface of the aluminum foil. With respect to claims 5, and 7, the prior art alone or in combination does not teach the limitation of a manufacturing method of a foil for a cathode of a capacitor comprising

the steps of arranging the aluminum foil involves adhering at least one kind selected from the group consisting of a carbon-containing substance and an aluminum powder to a surface of the aluminum foil, and then arranging the aluminum foil in a space containing a hydrocarbon-containing substance:

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation Relevant of Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Takeda et al. (US 7,289,313) disclose solid electrolytic capacitor and method for manufacturing same.
- b. Tanahashi et al. (US 6,310,765) disclose electrolytic capacitor and method for manufacturing the same.
- c. Nitta et al. (US 6,262,879) disclose electrochemical device.
- d. Iwaida et al. (US 5,949,637) disclose current collector for electric double layer capacitor.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NGUYEN T. HA whose telephone number is (571)272-

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1974. The examiner can normally be reached on Monday-Friday from 8:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego F. Gutierrez can be reached on 571-272-2245. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

NGUYEN T. HA
PRIMARY EXAMINER

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February 2, 2008